

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: IL-WON SHIN

GENERAL INFORMATION:

Name:	Marathon Petroleum Company LLC
Address:	230 East 33 <sup>rd</sup> Street, Covington, KY 41015
Date application received:	January 9, 2006
SIC/Source description:	5171, Petroleum Bulk Stations & Terminals
Source ID #:	21-117-00022
Source A.I. #:	2479
Activity #:	APE20050004
Permit number:	F-06-020

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application

**EMISSIONS SUMMARY:**

The following table represents the facility total Actual and Potential to Emission (PTE).

Pollutant	Actual (tpy)	Potential (tpy)
VOC	50.263	< 90
Benzene	0.387	< 9
Ethyl-benzene	0.045	< 9
Hexane	0.686	< 9
Toluene	0.571	< 9
2,2,4 -Trimethylpentane	0.342	< 9
Xylene	0.253	< 9
Total HAP	2.284	< 22.5

**SOURCE DESCRIPTION:**

Marathon Petroleum Company LLC (MPC) owns and operates a terminal in Covington, Kentucky. The terminal receives product by barge, stores the product in tanks, and then loads the product to tank trucks for distribution. The terminal is currently permitted under Kentucky air operating permit S-01-031.

Operating permit S-01-031 was issued to the terminal in 2001. On September 9, 2005, MPC submitted letters to the Division requesting the addition of alternate control devices for the terminal. MPC also submitted a new application on January 9, 2006. In addition, MPC submitted a New Source Performance Standard (NSPS) "Reconstruction" Notification for Tank 324 and NSPS Modification Determination for Tank 29-320 on February 27, 2006. Corrected distillate loading emission factors and the insignificant activity of pump modification were submitted on April 20, 2006 and May 12, 2006, respectively. At this time, MPC is requesting a completely updated conditional major air permit for the Covington terminal.

**EMISSION AND OPERATING CAPS DESCRIPTION:**

In order to ensure that the terminal remains exempt from the regulations applicable to major sources of criteria and hazardous air pollutant (HAP) emissions, including the Gasoline Distribution MACT (40 CFR 63 Subpart R), MPC is requesting a Conditional Major permit. Terminal emissions will be limited to less than 90 ton/yr volatile organic compounds (VOC), 22.5 ton/yr total HAP, and 9 ton/yr individual HAP. Monthly and rolling 12-month total emissions will be calculated. Emission calculations and supporting documentation will be retained at the terminal.

**OPERATIONAL FLEXIBILITY:**

None